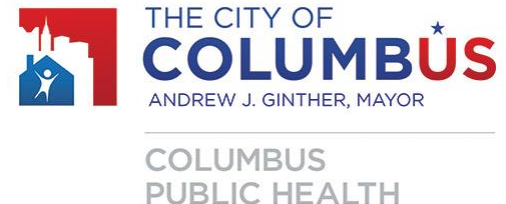
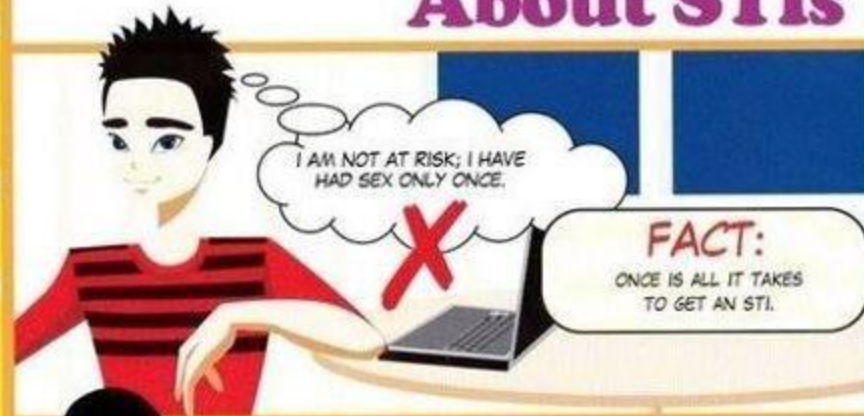


STI Rates: Federal, State and Local Trends

Mysheika W. Roberts, MD, MPH
Health Commissioner
Columbus Public Health



Bust the Myths About STIs



STIs in the U.S.

- Over 2 million cases of chlamydia, gonorrhea and syphilis (primary and secondary) were reported to the CDC in 2016.

Chlamydia	Gonorrhea	Syphilis
2016: 497.3 per 100,000	2016: 145.8 per 100,000	2016: 8.7 per 100,000
4.7% increase from 2015	18.5% increase from 2015	17.6% increase from 2015

Chlamydia

Franklin County, 2017

8,903 cases
(722.6 per 100,000)

Age

- Young people (15-24) had the highest reported chlamydia rates.

Race

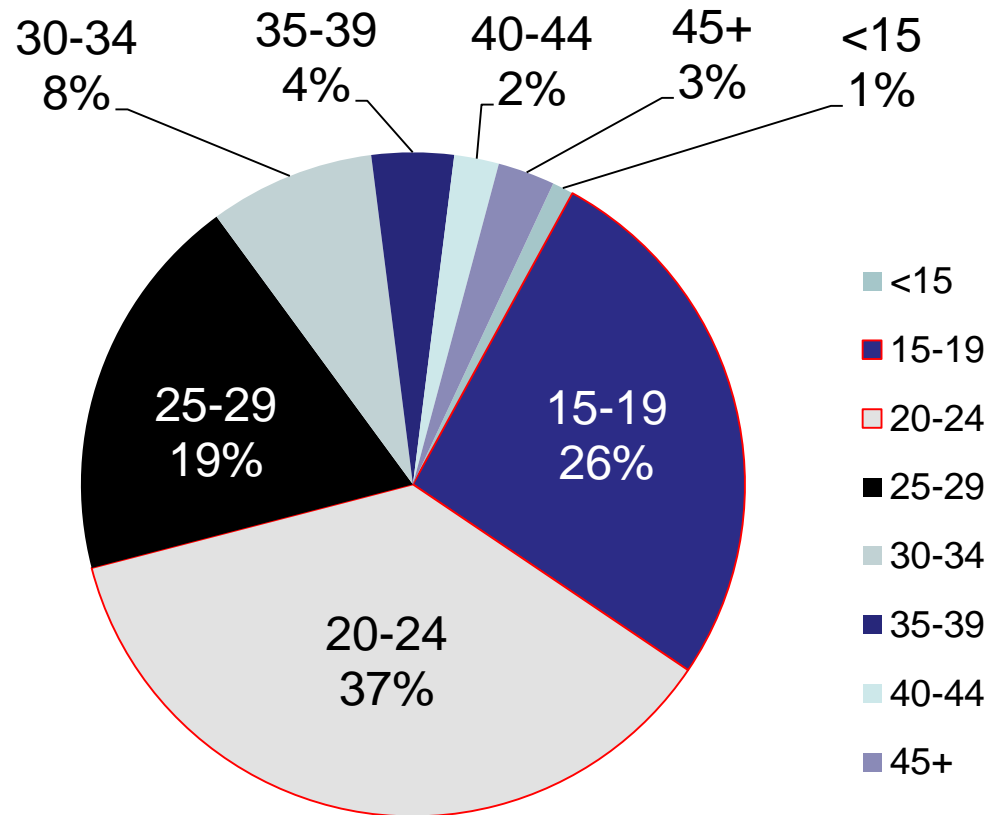
- African Americans had 5.9 times higher reported chlamydia rates than whites.

Sex

- Females had 1.7 times higher reported chlamydia rates than males.

Chlamydia by Age

Franklin County, 2017



Over 60% of Reported Chlamydia Infections Occur among 15-24 Year Olds.

Chlamydia by Sex and Race

Rates per 100,000; Franklin County, 2017

Females

African American

1,816.1



White

334.3

5.4 : 1.0

Males

African American

1,176.5



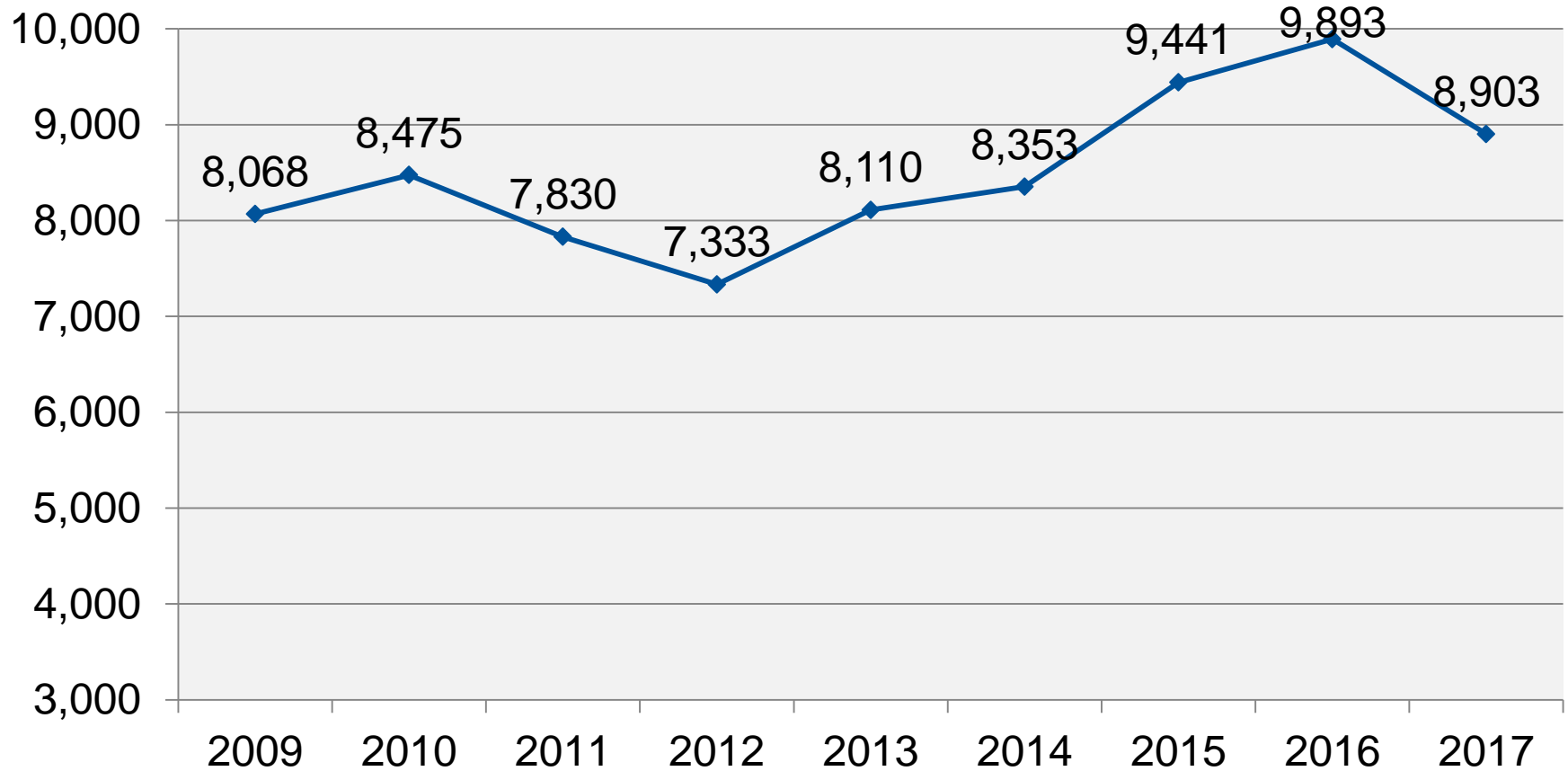
White

180.2

6.5 : 1.0

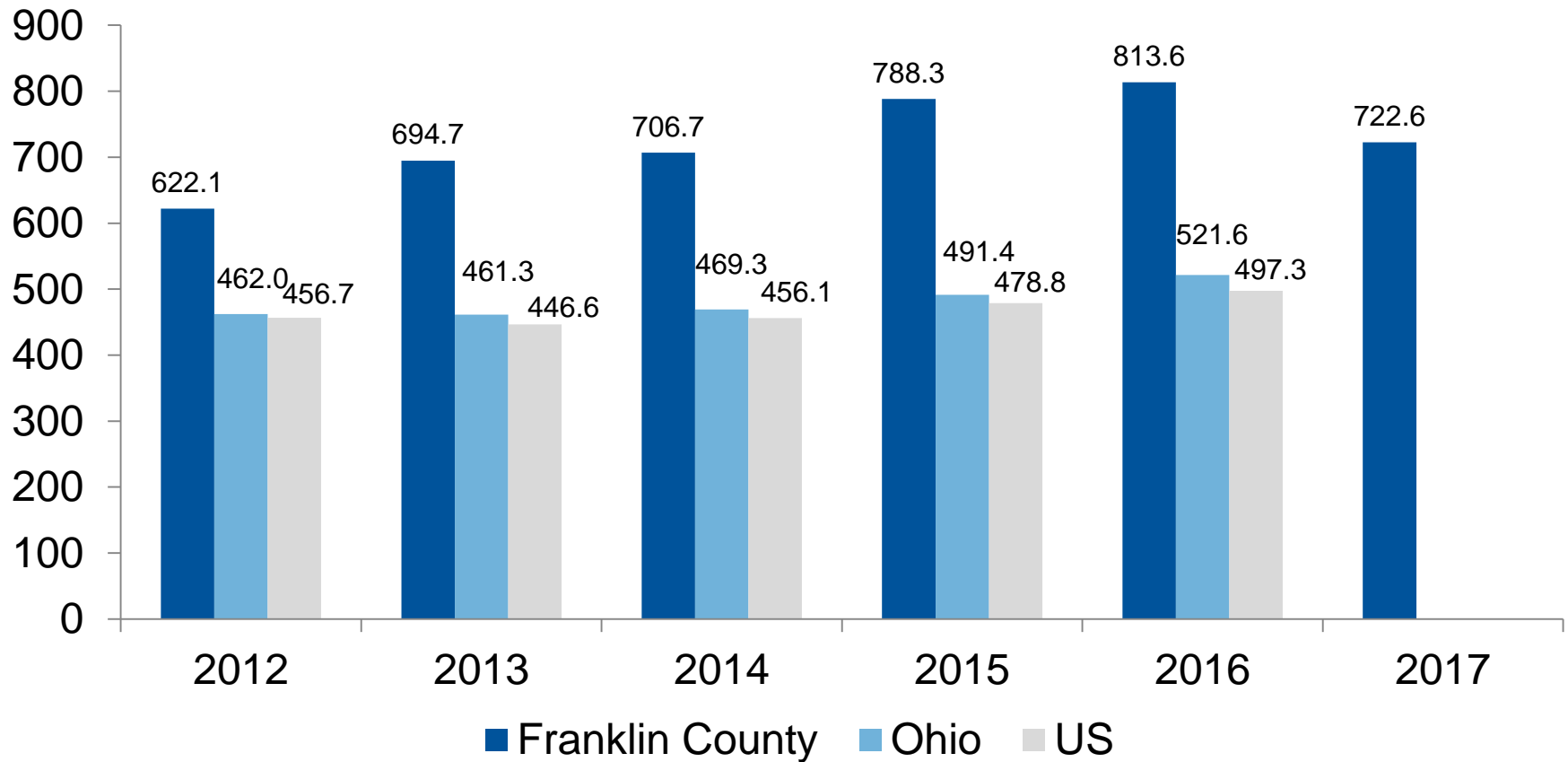
Chlamydia – # of Cases by Year

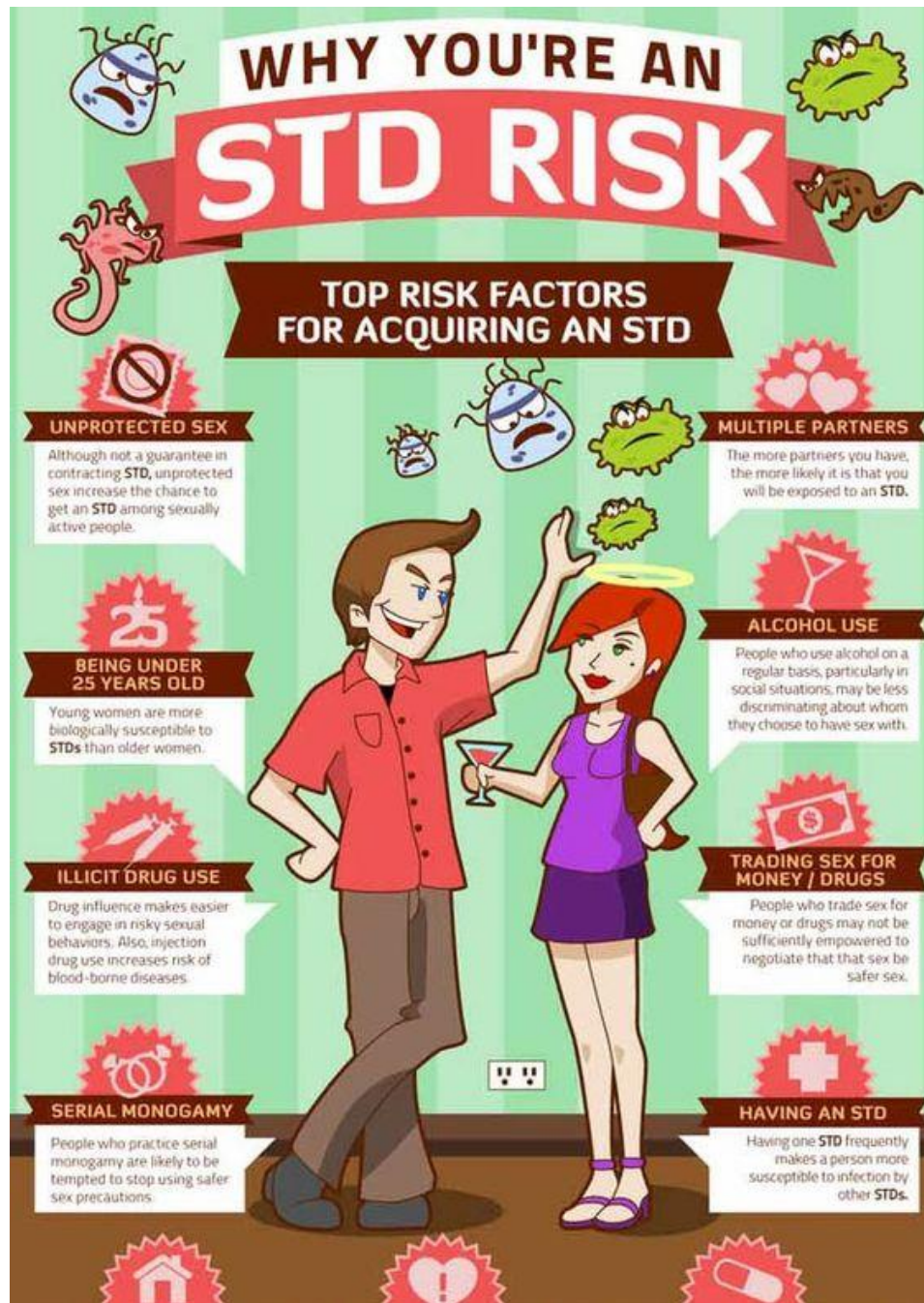
Franklin County



Chlamydia – Disease Rates by Year

Rates per 100,000; Franklin County, Ohio, U.S.





Gonorrhea

Franklin County, 2017

4,104 cases
(333.1 per 100,000)

Age

- Younger adults (20-24) had the highest reported gonorrhea rates.

Race

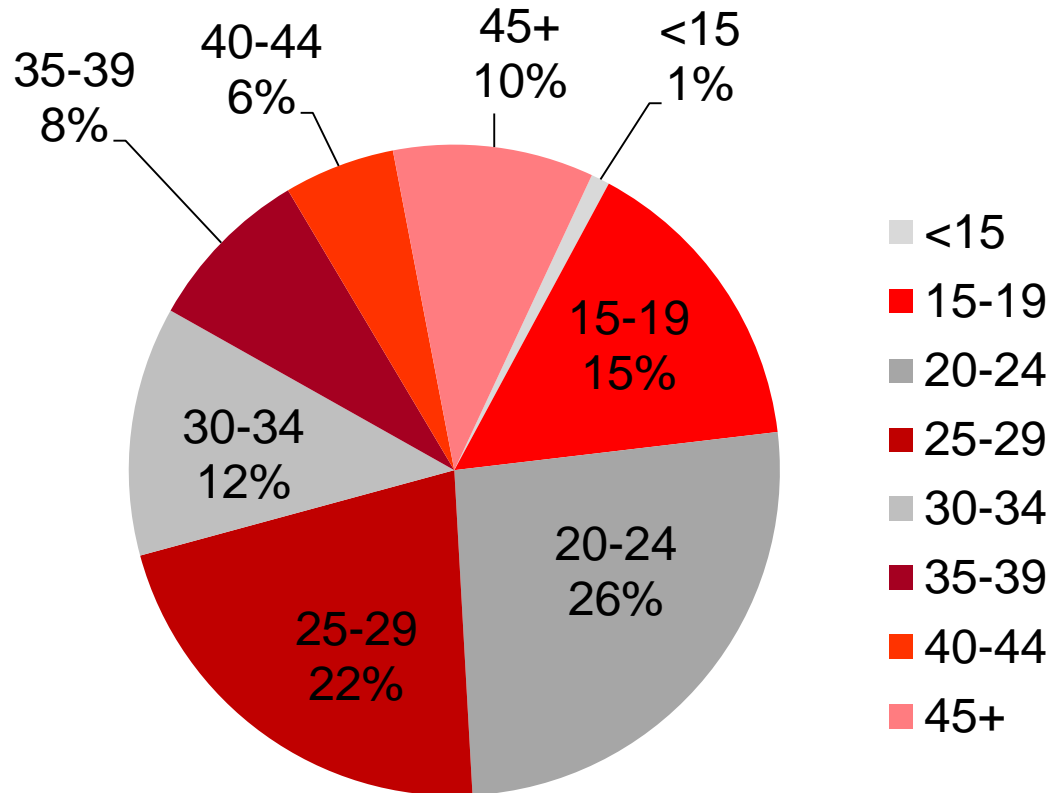
- African Americans had 6.8 times higher reported gonorrhea rates than whites.

Sex

- Males had 1.5 times higher reported gonorrhea rates than females.

Gonorrhea by Age

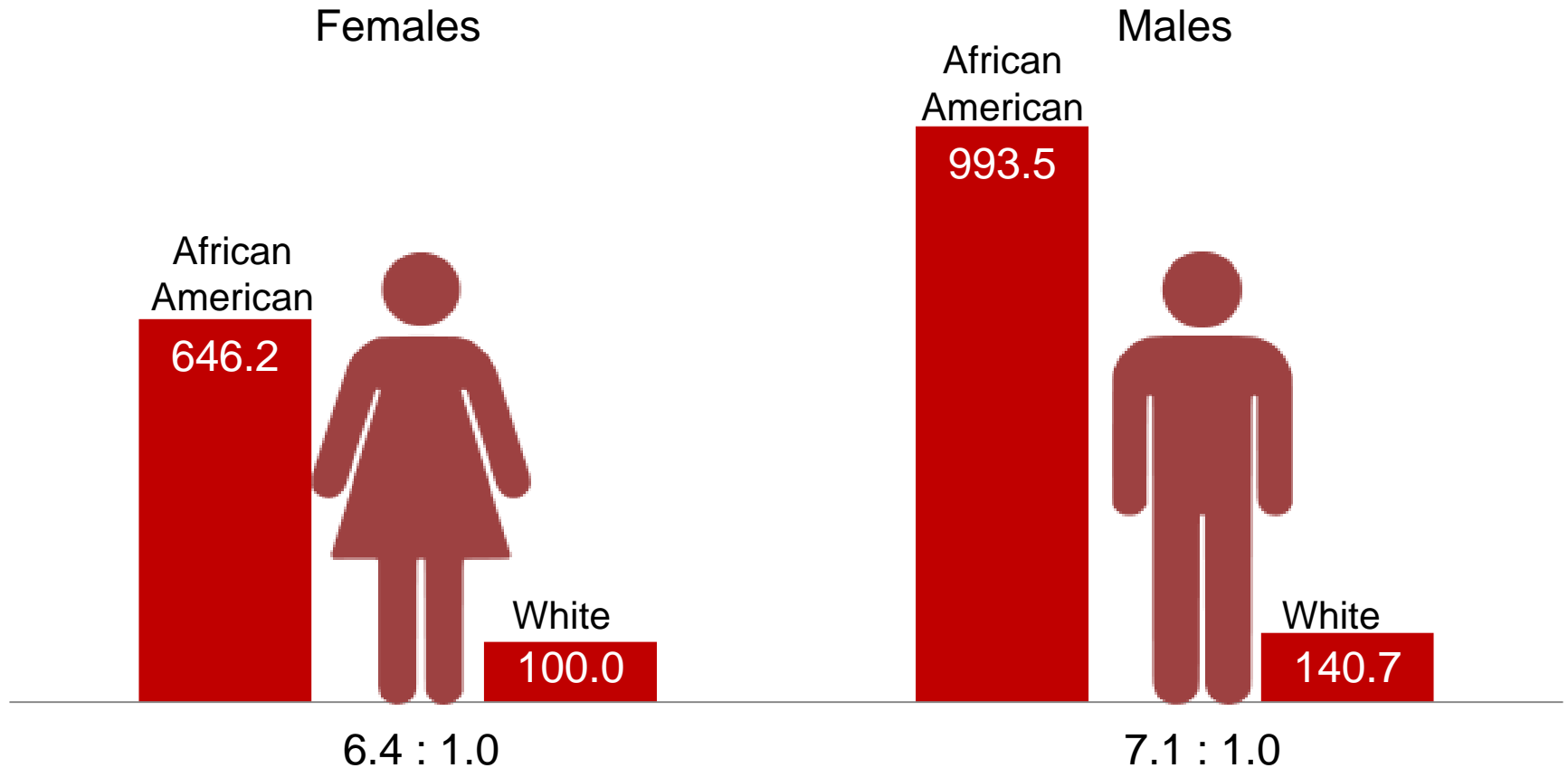
Franklin County, 2017



Nearly 50% of Reported Gonorrhea Infections Occur among 20-29 Year Olds.

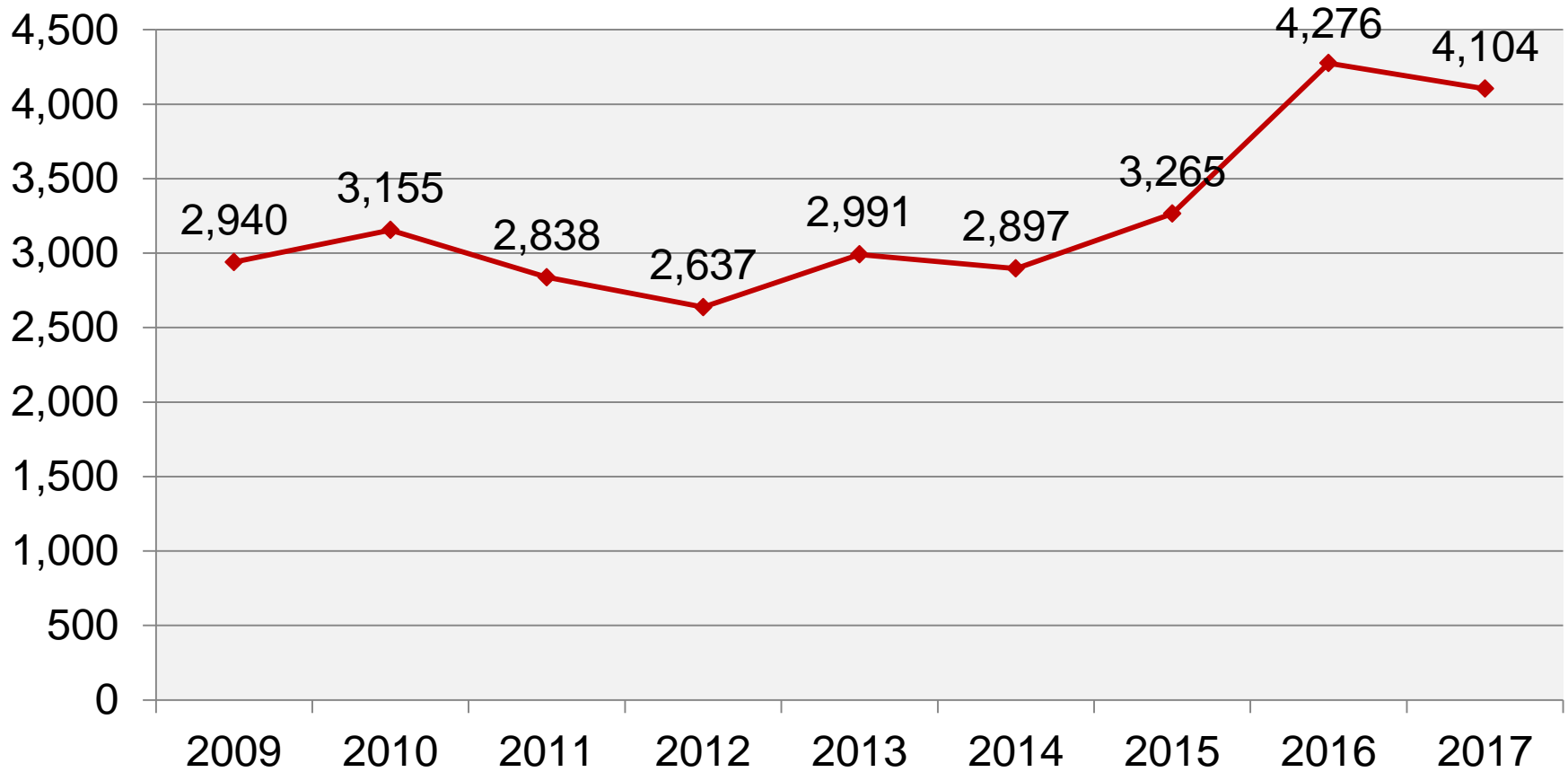
Gonorrhea by Sex and Race

Disease Rates per 100,000; Franklin County, 2017



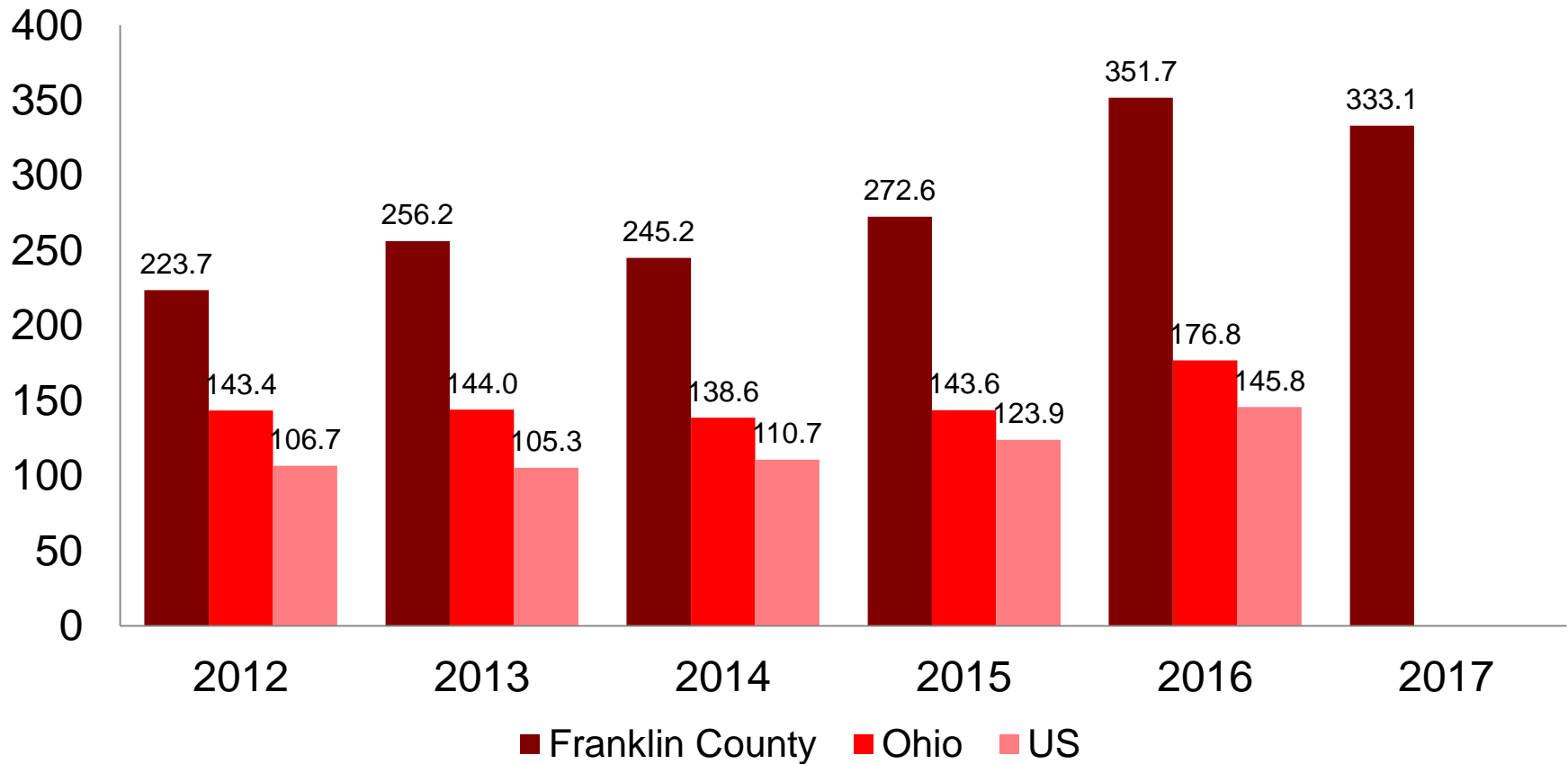
Gonorrhea – # of Cases by Year

Franklin County



Gonorrhea – Disease Rates by Year

Franklin County, Ohio, U.S. (per 100,000)



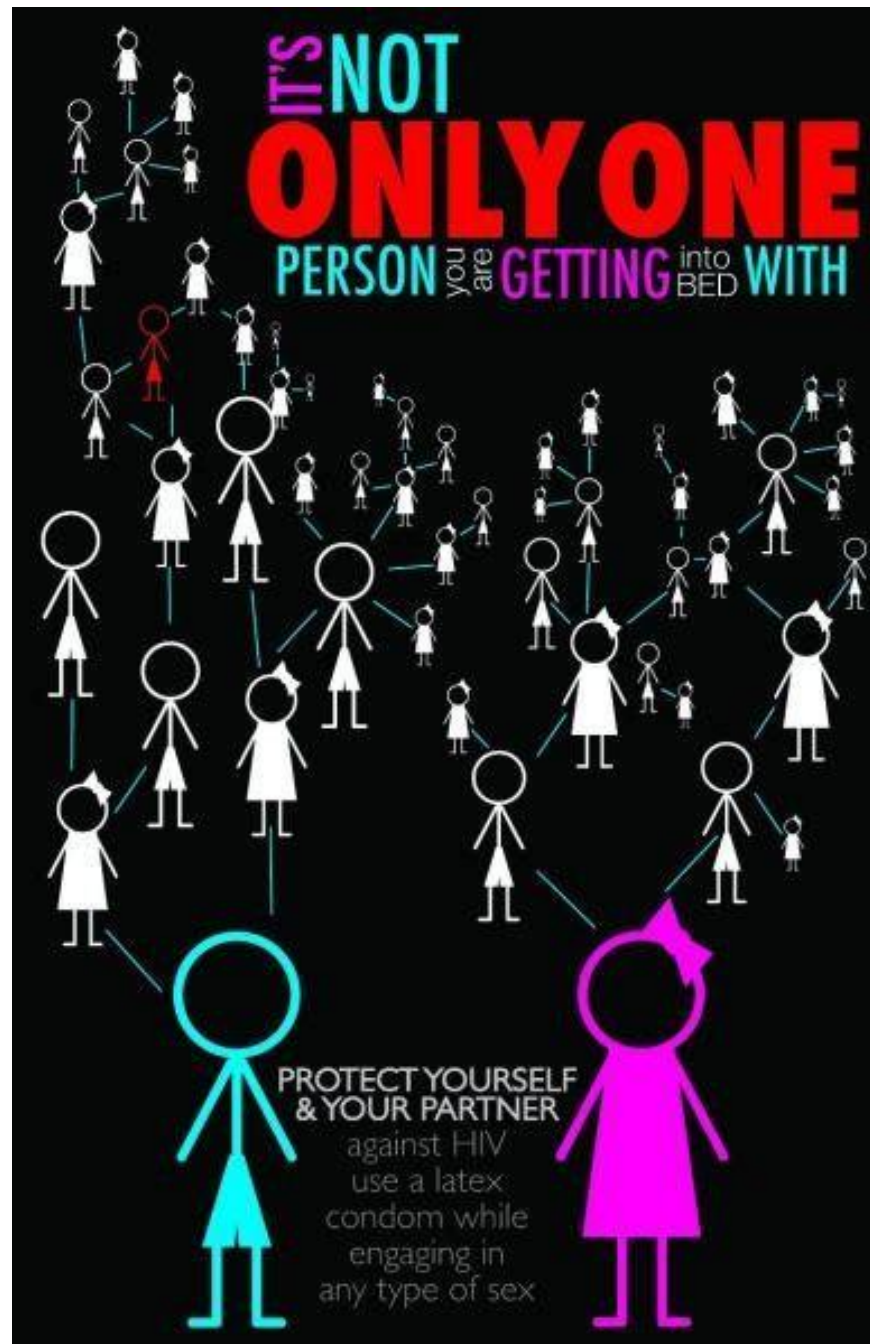


Image retrieved from
Pinterest.com; 4/17/2018.

Syphilis (Primary & Secondary)

Franklin County, 2017

322 cases
(26.1 per 100,000)

Age

- People between the ages of 25-29 had the highest reported rate of any age group.

Race

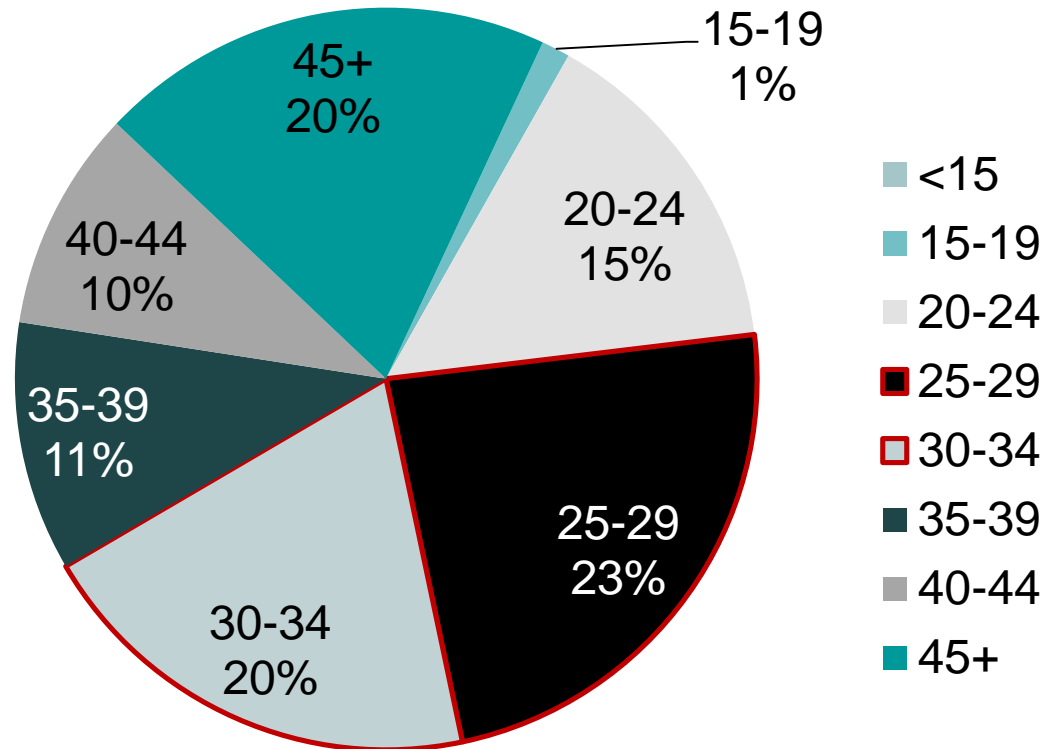
- African Americans had syphilis rates 2.0 times higher than whites.

Sex

- Males had reported syphilis rates 7.2 times higher than females.

Syphilis by Age

Primary & Secondary, Franklin County, 2017



Most Reported Syphilis Infections Occur among 25-34 Year Olds.

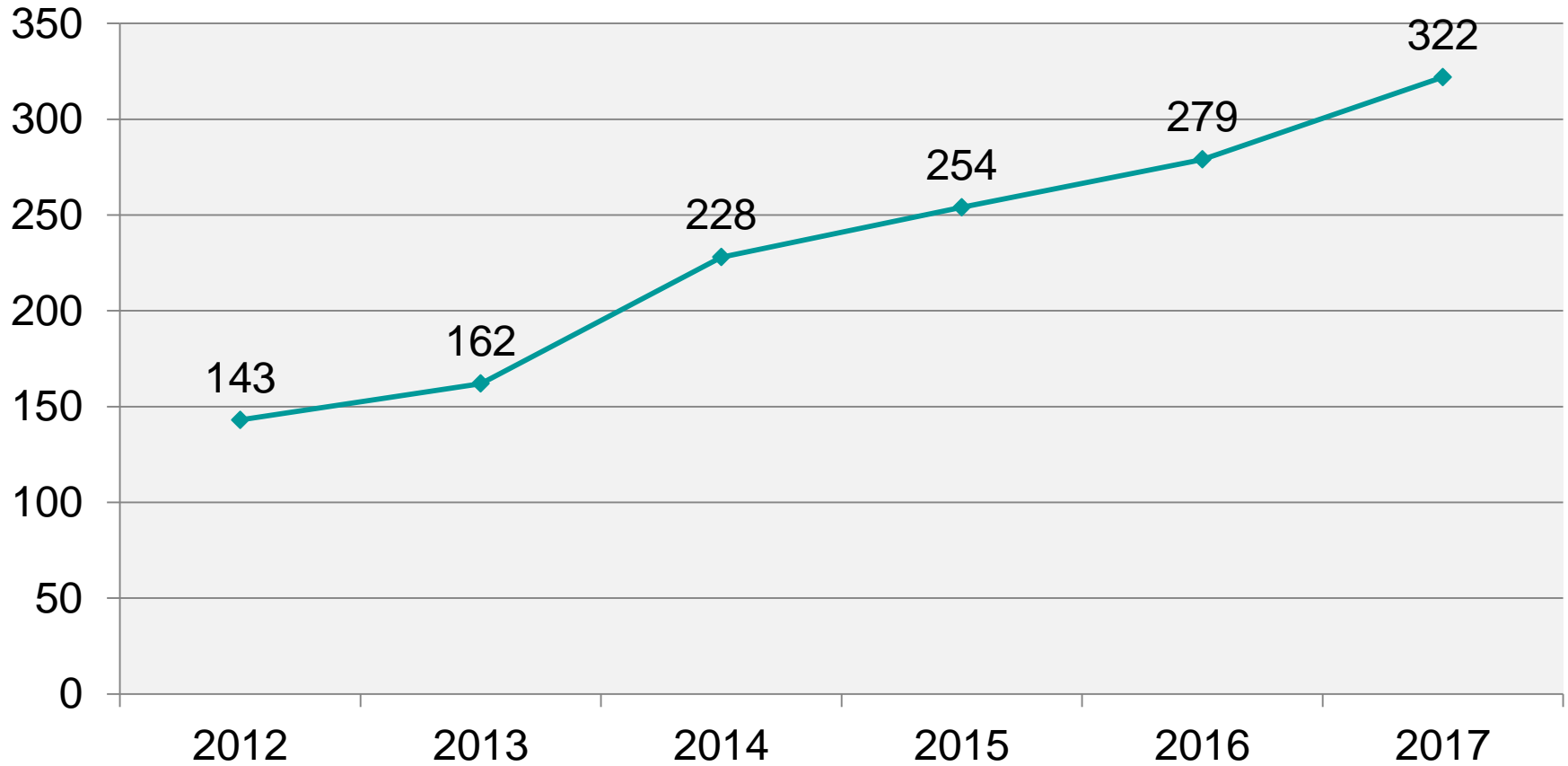
Syphilis Rates by Sex

Disease Rates per 100,000, Primary & Secondary, Franklin County, 2017



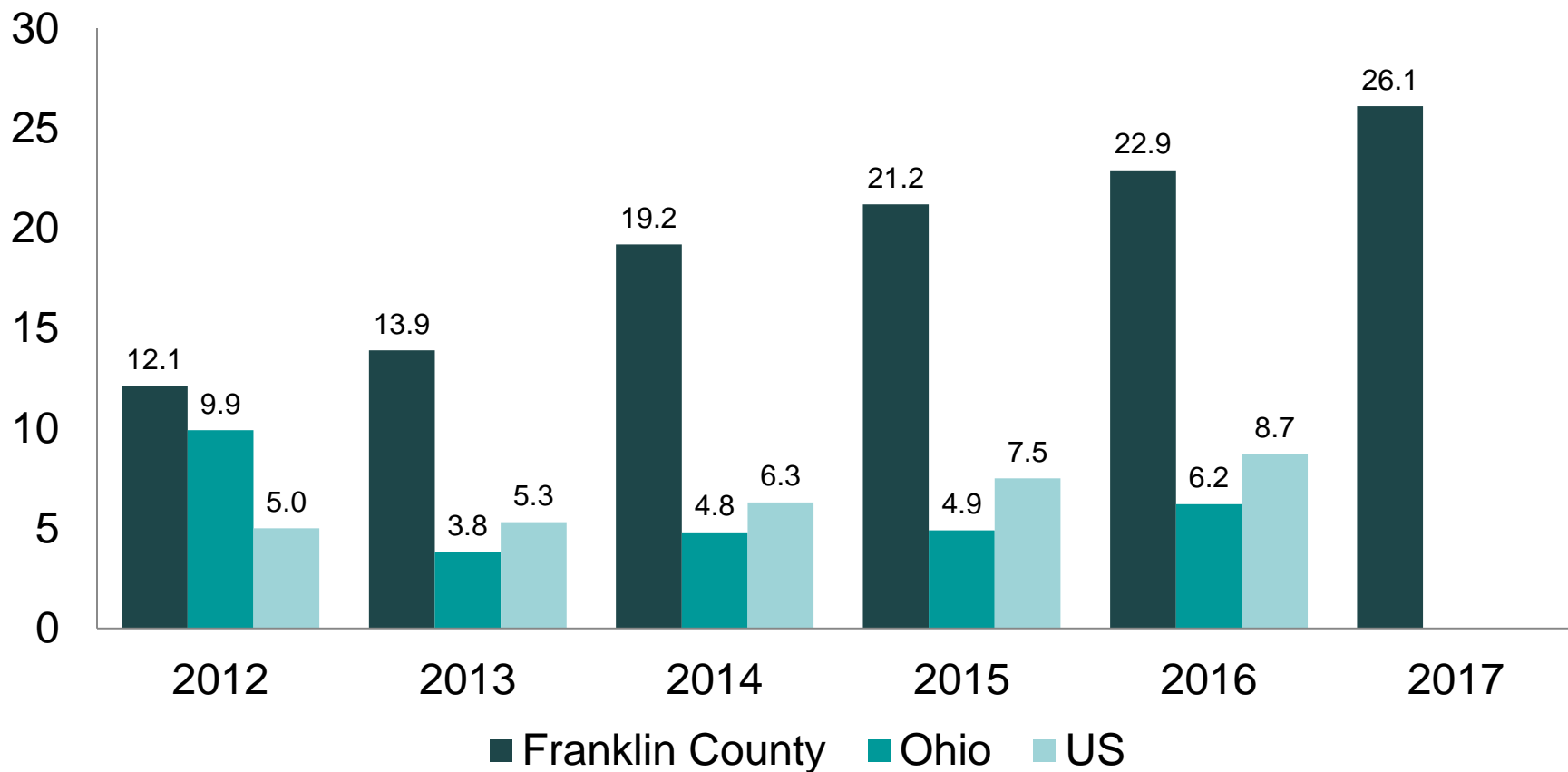
Syphilis - # of Cases by Year

Primary & Secondary, Franklin County



Syphilis Disease Rates by Year

Primary & Secondary; Franklin County, Ohio, U.S. (per 100,000)



Congenital Syphilis (2017)

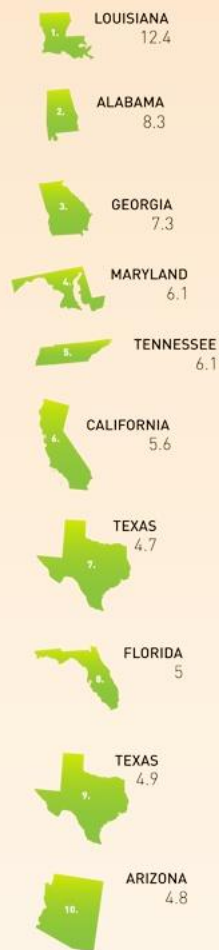
- 8 cases of congenital syphilis
 - Asymptomatic
 - Prenatal Treatment
 - Most in 2nd trimester
 - Mother's Syphilis Stage
 - Most early or late latent stage

TOP 10 STATES

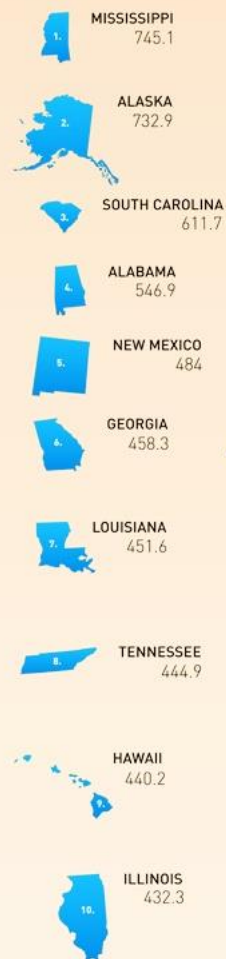
WITH THE HIGHEST SEXUAL DISEASE RATE

Numbers below state name represent number of cases per 100,000 Residents.
Numbers inside state map represent rank. Sources: Center for Disease Control | STD Statistics

SYPHILIS



CHLAMYDIA



GONORRHEA



HIV/AIDS

Franklin County, 2016

New Diagnoses

There were 199 newly diagnosed cases of HIV infection (incidence rate of 15.7 per 100,000).

- Those age 15-19 had the highest rate of HIV (38.0 per 100,000).
- 67% reported having male-to-male sexual contact.
- African Americans had a reported incidence rate 4.5 times higher than whites.

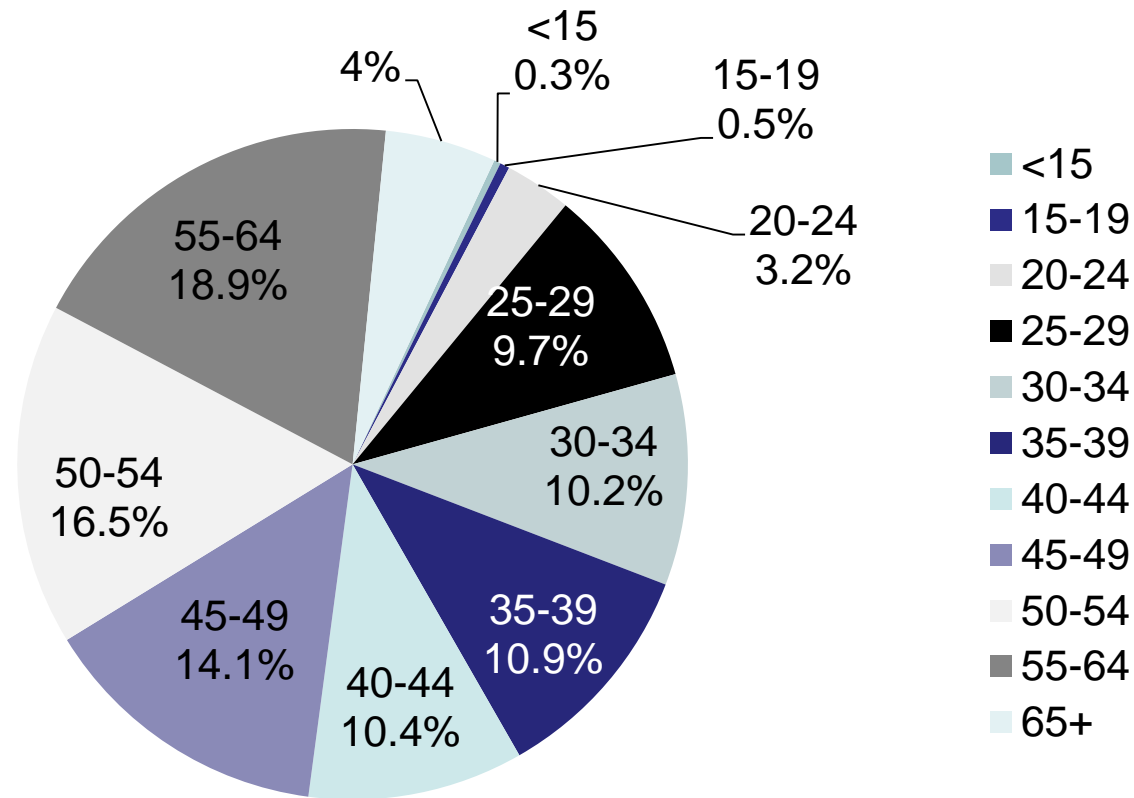
Living with HIV

There were 4,964 people living with HIV infection (prevalence rate of 392.6 per 100,000).

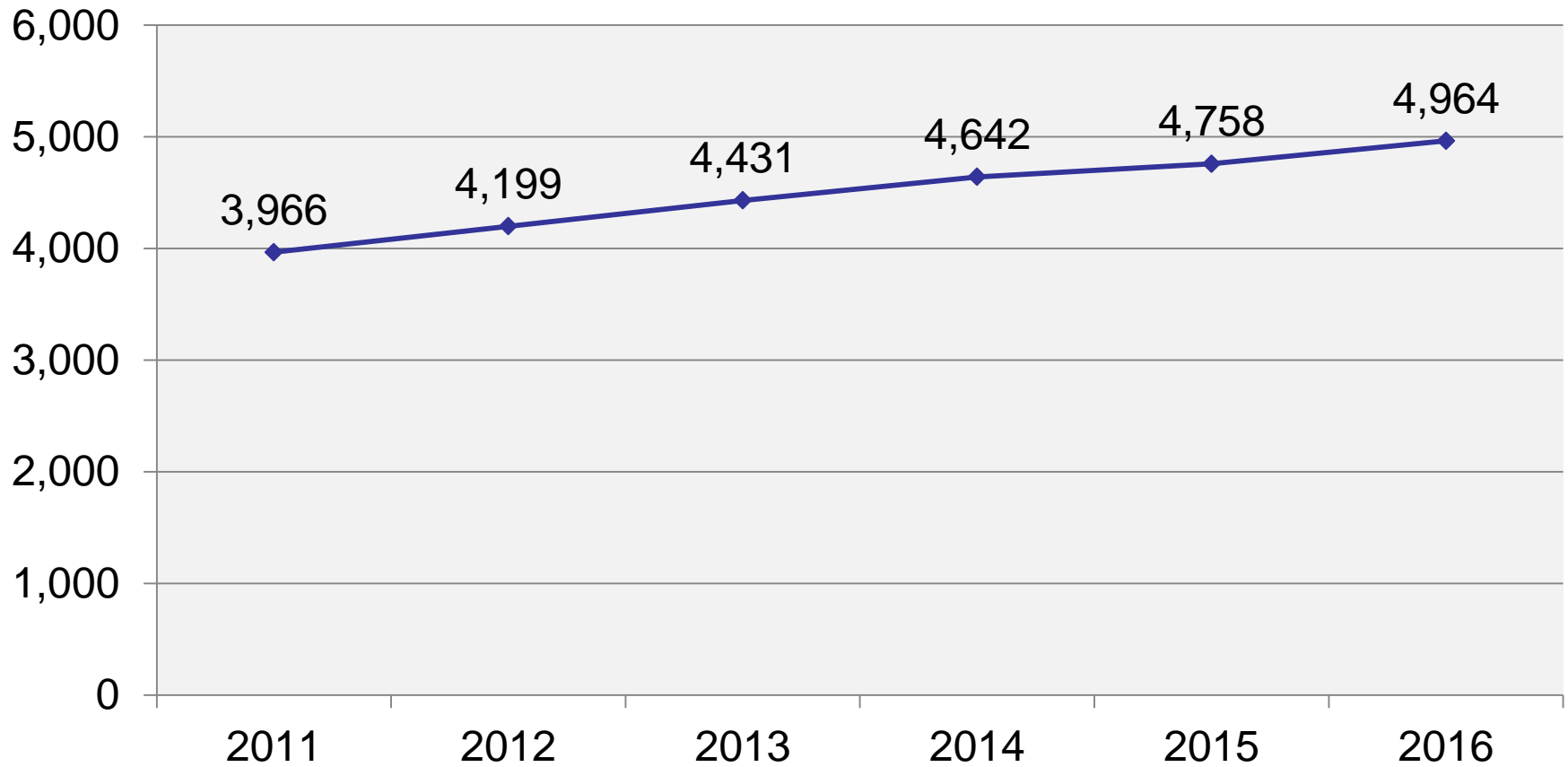
- Those age 50-54 had the highest rate of HIV (1,054.1 per 100,000).
- 75% reported having male-to-male sexual contact.
- African Americans had a prevalence rate 2.6 times greater than whites.

Reported Persons Living with HIV by Age, Franklin County (2016)

Percent of those Living with HIV/AIDS



Reported Persons Living with HIV Cases, Franklin County, # of Cases by Year



Early Syphilis Outbreak

Primary, secondary, early latent

2014-2017



COLUMBUS
PUBLIC HEALTH

Early Syphilis (2014-2017)

1,577 cases
32.7 per 100,000 population

Age

- Young adults (20-29 years) had the highest rates of early syphilis.

Race

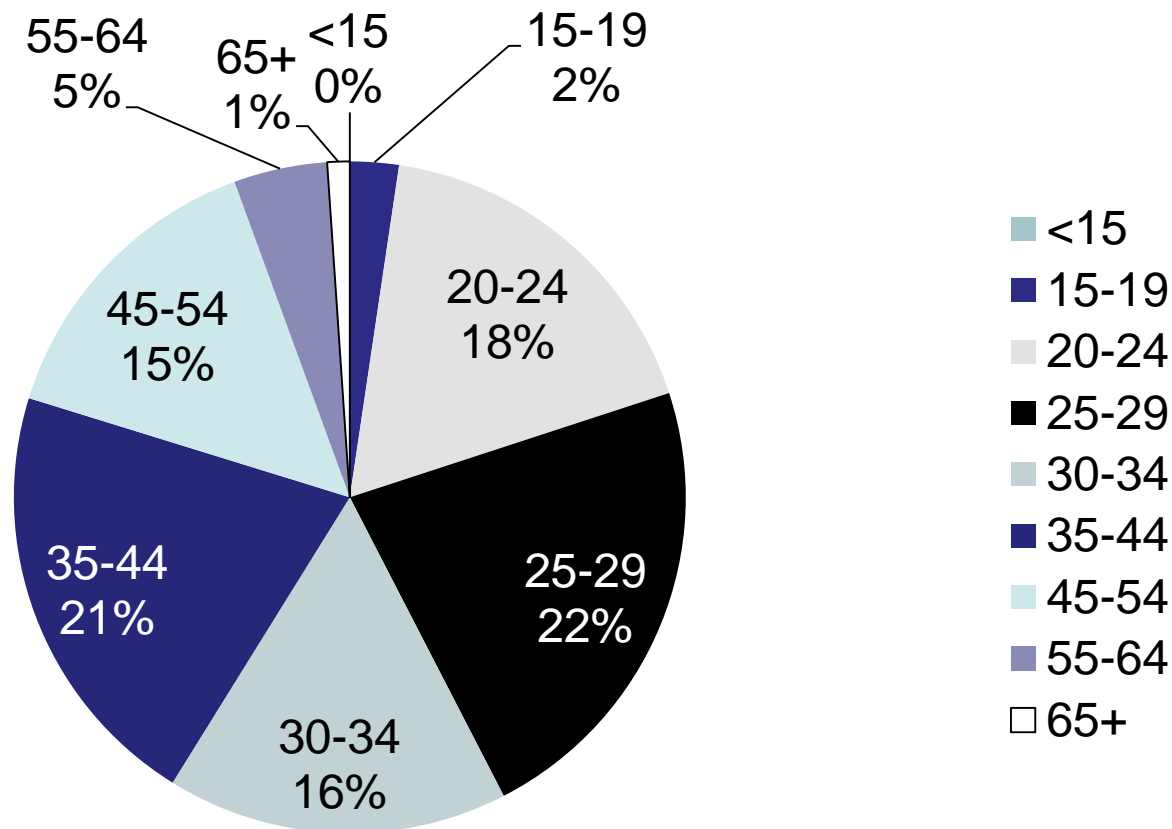
- African Americans had early syphilis rates 2.9 times higher than whites.

Sex

- Males had early syphilis rates 6.4 times higher than females.

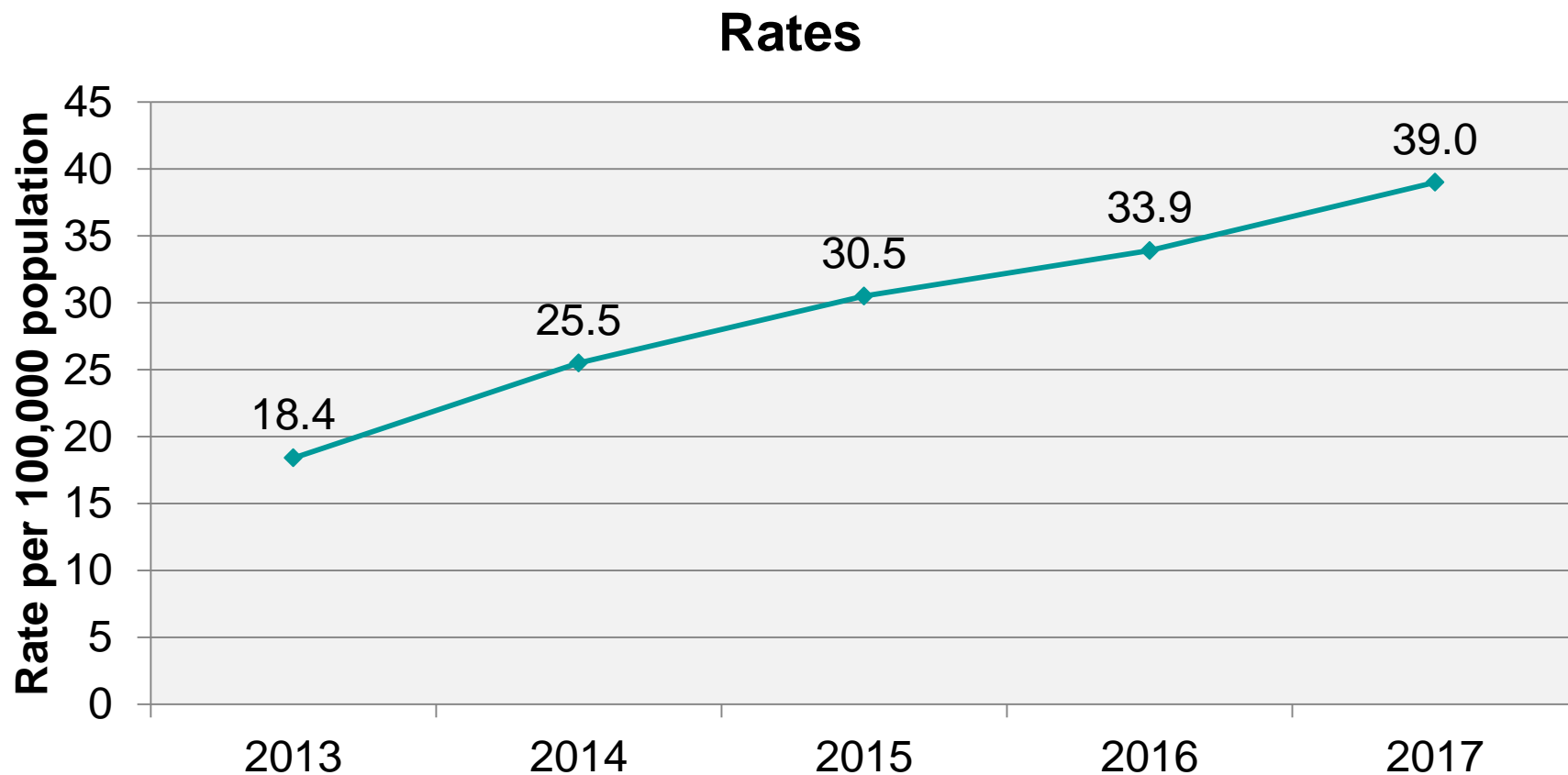
Cases in Franklin County (2014-2017)

Early Syphilis Age Distribution



Franklin County

Early Syphilis Rates by Year



Risk Factors (Males)

- 73.0% reported having sex with another male.
- 46.5% are HIV co-infected.
- 49.6% reported having sex with an anonymous partner.
- 48.3% reported having sex while intoxicated or high on drugs.
- 4.2% reported injection drug use.

Risk Factors (Females)

- 18.4% reported exchanging sex for drugs.
- 22.9% reported having sex with an anonymous partner.
- 48.4% reported having sex while intoxicated or high on drugs.
- 14.4% reported injection drug use.

Congenital Syphilis (2014-2017)

- 27 babies were born with congenital syphilis.



Sources

- Local Statistics:
 - Chlamydia, gonorrhea, and syphilis: Ohio Disease Reporting System, Analysis by Office of Epidemiology, Columbus Public Health. Data extracted on January 22, 2018 and March 5, 2018.
 - HIV Source: Ohio Department of Health HIV/AIDS Surveillance Program. Data reported through December 31, 2017.
- Ohio Statistics:
 - Ohio Department of Health STD Surveillance Program, Bureau of Infectious Diseases. Data reported through May 7, 2017.
- National Statistics for Chlamydia, Gonorrhea, and Syphilis:
Sexually Transmitted Disease Surveillance 2016
Centers for Disease Control and Prevention, September 2017
www.cdc.gov/std/stats.

Questions?

